

SEARCH 09/182626

(FILE 'USPAT' ENTERED AT 07:24:54 ON 06 AUG 1999)

L1 66717 S KEYPAD OR KEYBOARD  
L2 173670 S LIGHT SOURCE OR ILLUMINAT?  
L3 11419 S L1 AND L2  
L4 775 S 341/22/CCLST  
L5 227 S 341/23/CCLST  
L6 944 S L4 OR L5  
L7 156 S L2 AND L6  
L8 2329 S PERSONAL DIGITAL ASSISTANT OR PDA  
L9 2 S L7 AND L8  
L10 222 S KEYPAD (4A) DETECT?  
L11 4 S L7 AND L10  
L12 136355 S LED OR LIGHT-EMITTING-DIODE  
L13 80 S L7 AND L12  
L14 58727 S ANALOG-TO-DIGITAL CONVERTER OR "A/D CONVERTER"  
L15 7 S L13 AND L14  
L16 7345 S KEYPAD AND CIRCUIT?  
L17 22 S L7 AND L16  
L18 91 S 345/170/CCLST  
L19 20 S 345/171/CCLST  
L20 95 S 345/172/CCLST  
L21 202 S L18 OR L19 OR L20  
L22 4782 S BACKLIGHT? OR BACKLIT? OR BACK LIT?  
L23 343 S KEYPAD AND L22  
L24 79363 S PIN CONTACT? OR ELECTRICAL CONTACT?  
L25 32 S L23 AND L24

US PAT NO: 5,872,527 [IMAGE AVAILABLE] L15: 1 of 7  
TITLE: Medical keyboard apparatus provided with data inputting  
mechanical switches and function executing flat switches  
US-CL-CURRENT: 341/22, 34

US PAT NO: 5,785,439 [IMAGE AVAILABLE] L15: 2 of 7  
TITLE: Environmentally safe machine control security switch  
US-CL-CURRENT: 400/472; 340/825.31; 341/22; 345/168

US PAT NO: 5,777,603 [IMAGE AVAILABLE] L15: 3 of 7  
TITLE: Flat panel display with optical signal transparent zone  
US-CL-CURRENT: 345/172; 341/23; 345/184

US PAT NO: 5,577,848 [IMAGE AVAILABLE] L15: 4 of 7  
TITLE: Light controlled touch pad for cursor and selection  
control on a computer display  
US-CL-CURRENT: 400/472; 341/22; 345/157, 173

US PAT NO: 5,426,450 [IMAGE AVAILABLE] L15: 5 of 7  
TITLE: Hands-free hardware keyboard  
US-CL-CURRENT: 345/168; 341/22; 345/158, 170

US PAT NO: 5,181,024 [IMAGE AVAILABLE] L15: 6 of 7  
TITLE: Book type wireless remote control apparatus  
US-CL-CURRENT: 340/825.69, 825.72; 341/22, 23; 348/734; 359/142

US PAT NO: 4,853,888 [IMAGE AVAILABLE] L15: 7 of 7  
TITLE: Programmable multifunction keyboard  
US-CL-CURRENT: 345/172; 341/23; 345/82; 364/921.8, 925, 925.1, 926.9,  
927.2, 927.3, 927.4, 927.5, 927.7, 928, 928.2, 928.3,  
928.4, 928.5, 943.9, 944.61, 949, 949.4, 957, 957.1,  
965, 965.5, 965.78, 974, DIG.2

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L15 7 S L13 AND L14

=> display ti,ccls l11 1-4

US PAT NO: 5,729,222 [IMAGE AVAILABLE] L11: 1 of 4  
TITLE: User-configurable control device  
US-CL-CURRENT: 341/31; 250/221; 341/22

US PAT NO: 5,721,542 [IMAGE AVAILABLE] L11: 2 of 4  
TITLE: Data entry keypad assembly  
US-CL-CURRENT: 341/23; 340/525, 815.69

US PAT NO: 5,579,002 [IMAGE AVAILABLE] L11: 3 of 4  
TITLE: User-configurable control device  
US-CL-CURRENT: 341/23; 200/5A; 341/22; 348/734

US PAT NO: 5,153,590 [IMAGE AVAILABLE] L11: 4 of 4  
TITLE: Keypad apparatus

SEARCH 09/182626

US PAT NO: 5,932,989 [IMAGE AVAILABLE] L25: 1 of 32  
TITLE: Method for an electronic device to detect the presence of  
a battery charger  
US-CL-CURRENT: 320/106, DIG.12

US PAT NO: 5,914,481 [IMAGE AVAILABLE] L25: 2 of 32  
TITLE: Portable data collection terminal with handwritten input  
area  
US-CL-CURRENT: 235/472.01

US PAT NO: 5,892,971 [IMAGE AVAILABLE] L25: 3 of 32  
TITLE: Portable data processing device having an indicia reader  
and a multi-tasking operating system capable of  
executing battery monitoring instructions while  
concurrently executing application programs  
US-CL-CURRENT: 710/7, 20

US PAT NO: 5,870,724 [IMAGE AVAILABLE] L25: 4 of 32  
TITLE: Targeting advertising in a home retail banking delivery  
service  
US-CL-CURRENT: 705/42; 235/379, 380; 705/14, 43

US PAT NO: 5,847,336 [IMAGE AVAILABLE] L25: 5 of 32  
TITLE: Direct keypad backlighting  
US-CL-CURRENT: 200/5A, 314

US PAT NO: 5,844,166 [IMAGE AVAILABLE] L25: 6 of 32  
TITLE: Lattice RF shield  
US-CL-CURRENT: 174/35R; 200/305; 361/816; 455/300

US PAT NO: 5,834,753 L25: 7 of 32  
TITLE: Laser scanner module having integral interface with  
hand-held data capture terminal proximity and label  
sensing, and enhanced sensitivity and power efficiency

US PAT NO: 5,826,708 [IMAGE AVAILABLE] L25: 8 of 32  
TITLE: Backlighted dome switch assembly  
US-CL-CURRENT: 200/314, 313

US PAT NO: 5,811,930 [IMAGE AVAILABLE] L25: 9 of 32  
TITLE: Electroluminescent lamp devices and their manufacture  
US-CL-CURRENT: 313/510; 40/544; 313/506, 511, 512

US PAT NO: 5,747,786 [IMAGE AVAILABLE] L25: 10 of 32  
TITLE: Communication module for a data capture system  
US-CL-CURRENT: 235/462.46, 472.02

US PAT NO: 5,741,990 [IMAGE AVAILABLE] L25: 11 of 32  
TITLE: Method of and means for producing musical note  
relationships  
US-CL-CURRENT: 84/423R, 424, 425

US PAT NO: 5,714,932 [IMAGE AVAILABLE] L25: 12 of 32  
TITLE: Radio frequency security system with direction and  
distance locator  
US-CL-CURRENT: 340/539, 571, 572.4, 573.4, 825.06; 342/417; 455/67.1

US PAT NO: 5,708,888 [IMAGE AVAILABLE] L25: 13 of 32

TITLE: Method and apparatus for providing backlighting for  
keypads and LCD panels

US-CL-CURRENT: 341/22; 200/314; 340/815.45, 825.82; 379/368

US PAT NO: 5,680,191 [IMAGE AVAILABLE] L25: 14 of 32

TITLE: Driver tabs liquid crystal display having multi-contact  
US-CL-CURRENT: 349/150, 152

US PAT NO: 5,661,633 [IMAGE AVAILABLE] L25: 15 of 32

TITLE: Keyboard and screen peripheral device for a computer and a  
desk pad

US-CL-CURRENT: 361/683; 400/692

US PAT NO: 5,602,456 [IMAGE AVAILABLE] L25: 16 of 32

TITLE: Hand held computerized data collection terminal with  
rechargeable battery pack sensor and battery power  
conservation

US-CL-CURRENT: 320/112, DIG.12; 429/7

US PAT NO: 5,565,733 [IMAGE AVAILABLE] L25: 17 of 32

TITLE: Electroluminescent modular lamp unit

US-CL-CURRENT: 313/510; 40/544; 313/506, 511, 512; 340/815.53, 815.69

US PAT NO: 5,553,299 [IMAGE AVAILABLE] L25: 18 of 32

TITLE: Programming/reprogramming a point to point communication  
apparatus

US-CL-CURRENT: 340/815.41; 349/1; 364/232.91, DIG.1; 711/103

US PAT NO: 5,523,873 [IMAGE AVAILABLE] L25: 19 of 32

TITLE: LCD heater with flex circuit buss bars

US-CL-CURRENT: 349/139, 149

US PAT NO: 5,521,345 [IMAGE AVAILABLE] L25: 20 of 32

TITLE: Backlit membrane keypad

US-CL-CURRENT: 200/317, 310

US PAT NO: 5,517,434 [IMAGE AVAILABLE] L25: 21 of 32

TITLE: Data capture system with communicating and recharging  
 docking apparatus and hand-held data terminal means  
cooperable therewith

US-CL-CURRENT: 361/683

US PAT NO: 5,515,303 [IMAGE AVAILABLE] L25: 22 of 32

TITLE: Hand-held computerized data collection terminal with  
rechargeable battery pack sensor and battery power  
conservation

US-CL-CURRENT: 361/683; 235/375; 320/DIG.12; 705/28; D10/65

US PAT NO: 5,454,037 [IMAGE AVAILABLE] L25: 23 of 32

TITLE: Portable secure-telephone communications module

US-CL-CURRENT: 379/453, 451

US PAT NO: 5,436,745 [IMAGE AVAILABLE] L25: 24 of 32

TITLE: Flex circuit board for liquid crystal display

US-CL-CURRENT: 349/58, 150

US PAT NO: 5,220,501 [IMAGE AVAILABLE] L25: 25 of 32

TITLE: Method and system for remote delivery of retail banking  
services

US-CL-CURRENT: 380/24; 379/93.18; 380/29; 705/43; 902/24

US PAT NO: 5,149,923 [IMAGE AVAILABLE] L25: 26 of 32

TITLE: Backlit tactile keyboard with improved tactile and

electrical characteristics

US-CL-CURRENT: 200/5A, 314, 512

US PAT NO: 5,138,119 [IMAGE AVAILABLE] L25: 27 of 32

TITLE: Backlit tactile keyboard with improved tactile and  
electrical characteristics

US-CL-CURRENT: 200/5A, 314, 512

US PAT NO: 5,081,329 [IMAGE AVAILABLE] L25: 28 of 32

TITLE: Key assembly, switch assembly and method of making same

US-CL-CURRENT: 200/314, 512

US PAT NO: 5,077,832 [IMAGE AVAILABLE] L25: 29 of 32

TITLE: Radio transceiver with optional display

US-CL-CURRENT: 455/566, 90, 154.1, 186.1, 349

US PAT NO: 4,916,441 [IMAGE AVAILABLE] L25: 30 of 32

TITLE: Portable handheld terminal

US-CL-CURRENT: 345/169; 235/380, 382, 462.45; 340/825.3, 825.44; 341/22,  
23; 345/173, 211; 364/224.5, 224.6, 228.4, 229, 229.5,  
231, 231.1, 231.2, 234, 234.4, 237.2, 237.3, 237.82,  
237.85, 238.5, 242.94, 242.95, 268, 269.3, 282.1, 283.3,  
DIG.1; 455/566, 575; 708/141; D18/11

US PAT NO: 4,835,546 [IMAGE AVAILABLE] L25: 31 of 32

TITLE: Electronic data recorder apparatus and method

US-CL-CURRENT: 346/33D, 18, 59, 79, 97

US PAT NO: 4,642,627 [IMAGE AVAILABLE] L25: 32 of 32

TITLE: Illuminated compact control surface

US-CL-CURRENT: 345/50; 341/13, 31; 455/90

SEARCH 09/182626

(FILE 'USPAT' ENTERED AT 13:02:58 ON 04 AUG 1999)

L1 124756 S COMMUNICATION AND CIRCUIT  
L2 4775 S DUTY CYCLE AND L1  
L3 3771 S FREQUENCY AND L2  
L4 684 S KEYPAD AND LIGHT SOURCE  
L5 171 S 345/169/CCLST  
L6 91 S 345/170/CCLST  
L7 238 S KEYPAD AND BACKLIGHT?  
L8 261 S L5 OR L6  
L9 2 S L7 AND L8  
L10 7 S L4 AND L8  
L11 1596 S ILLUMINAT? AND KEYPAD  
L12 11 S L8 AND L11  
L13 161 S KEYPAD AND MOBILE PHONE  
L14 236 S 455/550/CCLST  
L15 87 S 455/418/CCLST  
L16 312 S L14 OR L15  
L17 12 S L13 AND L16  
L18 96 S L1 AND L13  
L19 7 S L16 AND L18  
L20 102 S 455/556/CCLST  
L21 168 S 455/566/CCLST  
L22 612 S 455/575/CCLST  
L23 97 S 455/553/CCLST  
L24 82 S 341/21/CCLST  
L25 775 S 341/22/CCLST  
L26 227 S 341/23/CCLST  
L27 141 S 345/102/CCLST  
L28 433 S 379/433/CCLST  
L29 252 S 379/428/CCLST  
L30 4 S SPRING LOADED POGO PIN  
L31 0 S POGO PIN AND KEYPAD  
L32 96 S L1 AND L13  
L33 0 S POGO PIN AND L32  
L34 26 S L1 AND POGO PIN  
L35 17846 S PIN (3A) CONTACT  
L36 1377 S L1 AND L35  
L37 4 S KEYPAD AND RADIOPHONE  
L38 943 S KEYPAD AND (CELLULAR PHONE OR CELLULAR TELEPHONE)  
L39 173670 S ILLUMINAT? OR LIGHT SOURCE  
L40 129 S L38 AND L39  
L41 1163 S L14 OR L15 OR L20 OR L21 OR L22 OR L23  
L42 15 S L40 AND L41

US PAT NO: 5,898,933 [IMAGE AVAILABLE] L42: 1 of 15  
TITLE: Apparatus and method for generating a control signal  
responsive to a movable antenna  
US-CL-CURRENT: 455/575, 90, 574

US PAT NO: 5,878,353 [IMAGE AVAILABLE] L42: 2 of 15  
TITLE: Radio frequency communication device including a mirrored  
surface  
US-CL-CURRENT: 455/550, 566

US PAT NO: 5,870,683 [IMAGE AVAILABLE] L42: 3 of 15  
TITLE: Mobile station having method and apparatus for displaying  
user-selectable animation sequence  
US-CL-CURRENT: 455/566, 575

US PAT NO: 5,867,772 [IMAGE AVAILABLE] L42: 4 of 15  
TITLE: Cellular telephone assembly and method for  
assembling a cellular telephone  
US-CL-CURRENT: 455/90, 550, 575

US PAT NO: 5,835,863 [IMAGE AVAILABLE] L42: 5 of 15  
TITLE: Wireless telephone for cellular telephone system  
US-CL-CURRENT: 455/567, 566, 575

US PAT NO: 5,815,820 [IMAGE AVAILABLE] L42: 6 of 15  
TITLE: Transmitter having adjustable power levels responsive to  
the position of a movable antenna  
US-CL-CURRENT: 455/575; 343/702; 455/90

US PAT NO: 5,634,080 [IMAGE AVAILABLE] L42: 7 of 15  
TITLE: Hand-held portable computer having an electroluminescent  
flat-panel display with pixel elements at right angles  
to the plane of the display and an excitation direction  
parallel to the plane of the display  
US-CL-CURRENT: 710/73; 345/45, 156; 361/686; 455/575; 709/253;  
710/101

US PAT NO: 5,606,597 [IMAGE AVAILABLE] L42: 8 of 15  
TITLE: User programmable configuration of a telephone  
US-CL-CURRENT: 455/464; 379/355; 455/552, 554, 566, 567

US PAT NO: 5,594,782 [IMAGE AVAILABLE] L42: 9 of 15  
TITLE: Multiple mode personal wireless communications system  
US-CL-CURRENT: 455/417, 426, 433, 444, 510, 553, 566

US PAT NO: 5,566,224 [IMAGE AVAILABLE] L42: 10 of 15  
TITLE: Radio frequency communication device including a mirrored  
surface  
US-CL-CURRENT: 455/566; 359/839; 455/90, 345, 347

US PAT NO: 5,555,550 [IMAGE AVAILABLE] L42: 11 of 15  
TITLE: Keypad apparatus with integral display indicators  
US-CL-CURRENT: 455/566; 341/22; 345/168; 364/189; 379/368

US PAT NO: 5,491,740 [IMAGE AVAILABLE] L42: 12 of 15  
TITLE: Automated key actuating cellular telephone

programmer

US-CL-CURRENT: 455/551, 379/358; 455/418

US PAT NO: 5,247,700 [IMAGE AVAILABLE]

L42: 13 of 15

TITLE: Cellular telephone with pager

US-CL-CURRENT: 455/552; 340/825.44; 455/180.2, 228, 456, 566

US PAT NO: 5,175,759 [IMAGE AVAILABLE]

L42: 14 of 15

TITLE: Communications device with movable element control  
interface

US-CL-CURRENT: 455/569, 566, 574, 575; 704/270

US PAT NO: 5,095,503 [IMAGE AVAILABLE]

L42: 15 of 15

TITLE: Cellular telephone controller with synthesized  
voice feedback for directory number confirmation and  
call status

US-CL-CURRENT: 455/563; 379/88.16, 354; 455/564, 566; 704/258, 270

US PAT NO: 5,907,815 [IMAGE AVAILABLE] L17: 1 of 12  
TITLE: Portable computer stored removable mobile telephone  
US-CL-CURRENT: 455/557, 550, 556, 575

US PAT NO: 5,862,474 [IMAGE AVAILABLE] L17: 2 of 12  
TITLE: Programmable wireless modem  
US-CL-CURRENT: 455/418; 375/222; 379/93.28; 455/90, 550, 557, 575

US PAT NO: 5,839,067 [IMAGE AVAILABLE] L17: 3 of 12  
TITLE: Corporate communication system  
US-CL-CURRENT: 455/422; 379/201; 455/418, 445, 461, 561

US PAT NO: 5,835,858 [IMAGE AVAILABLE] L17: 4 of 12  
TITLE: Easy activation of a cellular phone  
US-CL-CURRENT: 455/419, 411, 418

US PAT NO: 5,819,175 [IMAGE AVAILABLE] L17: 5 of 12  
TITLE: Method and assembly for assigning a function of an  
electronic device  
US-CL-CURRENT: 455/418, 88, 186.1, 575

US PAT NO: 5,812,954 [IMAGE AVAILABLE] L17: 6 of 12  
TITLE: Mobile telephone power key lock function  
US-CL-CURRENT: 455/550, 567

US PAT NO: 5,809,403 [IMAGE AVAILABLE] L17: 7 of 12  
TITLE: Coaxial cable assembly for a portable phone  
US-CL-CURRENT: 455/90; 379/433, 434; 455/550, 575

US PAT NO: 5,758,295 [IMAGE AVAILABLE] L17: 8 of 12  
TITLE: Uniform man-machine interface for cellular mobile  
telephones  
US-CL-CURRENT: 455/566; 379/396; 455/550

US PAT NO: 5,610,970 [IMAGE AVAILABLE] L17: 9 of 12  
TITLE: Telephone system with scheduled handling of calls  
US-CL-CURRENT: 455/417; 379/08.13, 88.18, 142, 201, 210; 455/31.2,  
418

US PAT NO: 5,577,100 [IMAGE AVAILABLE] L17: 10 of 12  
TITLE: Mobile phone with internal accounting  
US-CL-CURRENT: 455/406, 418

US PAT NO: 5,465,288 [IMAGE AVAILABLE] L17: 11 of 12  
TITLE: Point-of-sale system for programming a cellular telephone  
with its assigned telephone number  
US-CL-CURRENT: 455/418; 379/441; 455/419, 551, 557

US PAT NO: 4,718,080 [IMAGE AVAILABLE] L17: 12 of 12  
TITLE: Microprocessor controlled interface for cellular system  
US-CL-CURRENT: 455/74.1, 550

SEARCH 09/182626

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US-CL-CURRENT: 455/74.1, 550

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L8 261 S L5 OR L6  
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L11 1596 S ILLUMINAT? AND KEYPAD  
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L14 236 S 455/550/CCLST  
L15 87 S 455/418/CCLST  
L16 312 S L14 OR L15  
L17 12 S L13 AND L16  
L18 96 S L1 AND L13  
L19 7 S L16 AND L18

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L3 3771 S FREQUENCY AN: L2  
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L6 91 S 345/170/CCLST  
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L20 102 S 455/556/CCLS  
L21 168 S 455/566/CCLS  
L22 612 S 455/575/CCLS  
L23 97 S 455/553/CCLS  
L24 82 S 341/21/CCLST  
L25 775 S 341/22/CCLST  
L26 227 S 341/23/CCLST  
L27 141 S 345/102/CCLST  
L28 433 S 379/433/CCLS  
L29 252 S 379/428/CCLS

SEARCH 09/182626

L30 4 SPRING LOADED P'GO PIN  
(SPRING (W) LOADED (W) POGO (W) PIN)

=> display ti,ccls 130 1-4

US PAT NO: 5,453,701 [IMAGE AVAILABLE]  
TITLE: Bare die test and burn-in device  
US-CL-CURRENT: 324/755, 158.1, 754

L30: 1 of 4

US PAT NO: 5,166,605 [IMAGE AVAILABLE]  
TITLE: Controlled impedance test fixture for planar electronic  
device  
US-CL-CURRENT: 324/754

US PAT NO: 4,754,555 [IMAGE AVAILABLE]  
TITLE: Apparatus for inspecting the coplanarity of leaded surface  
mounted electronic components  
US-CL-CURRENT: 33/533, 552, 55

L30: 3 of 4

US PAT NO: 4,504,783 [IMAGE AVAILABLE]  
TITLE: Test fixture for providing electrical access to each I/O  
pin of a VLSI chip having a large number of I/O pins

L30: 4 of 4

SEARCH pct/us9824156

(FILE 'USPAT' ENTERED AT 15:38:50 ON 02 AUG 1999)  
L1 2319 S PERSONAL DIGITAL ASSISTANT OR PDA  
L2 2 S KEYPAD AND HINGE  
L3 536 S KEYPAD AND HINGE  
L4 4848 S CELLULAR PHONE OR CELLULAR TELEPHONE  
L5 91228 S HANDHELD OR PORTABLE  
L6 217 S L3 AND L5  
L7 18 S L1 AND L6  
L8 333 S PEN-BASED COMPUTER OR PEN COMPUTER  
L9 0 S PIN CONTACT AND L3  
L10 66 S PIN CONTACT AND HINGE  
L11 0 S L8 AND L10  
L12 0 S L1 AND L10  
L13 3 S L5 AND L10

=> display ti,ccls 113 1-3

US PAT NO: 4,210,280 [IMAGE AVAILABLE] L13: 1 of 3  
TITLE: Traction mat  
US-CL-CURRENT: 238/14

US PAT NO: 4,119,813 [IMAGE AVAILABLE] L13: 2 of 3  
TITLE: Cassette tape recorder with detachable coupling to radio  
US-CL-CURRENT: 369/11; 360/137; 439/137; 455/344

US PAT NO: 4,041,250 [IMAGE AVAILABLE] L13: 3 of 3  
TITLE: Coupling device for cassette tape recorder  
US-CL-CURRENT: 369/11; 360/137; 455/344

=> display ti,ccls 17 1-18

US PAT NO: 5,929,419 [IMAGE AVAILABLE] L7: 1 of 18  
TITLE: System and method for preventing authorized movement of  
cordless bar code symbol readers from designated  
scanning environments  
US-CL-CURRENT: 235/462.27

US PAT NO: 5,867,140 [IMAGE AVAILABLE] L7: 2 of 18  
TITLE: Display system and circuit therefor  
US-CL-CURRENT: 345/98, 1, 90, 100, 211, 214

US PAT NO: 5,867,131 [IMAGE AVAILABLE] L7: 3 of 18  
TITLE: Antenna for a mobile computer  
US-CL-CURRENT: 343/797, 702, 729, 795

US PAT NO: 5,844,229 [IMAGE AVAILABLE] L7: 4 of 18  
TITLE: Cordless desktop bar code symbol reader having integrated  
viewing aperture for sighting of bar code symbols to be  
scanned  
US-CL-CURRENT: 235/472.01, 462.01

US PAT NO: 5,827,082 [IMAGE AVAILABLE] L7: 5 of 18  
TITLE: Hinged device  
US-CL-CURRENT: 439/165

US PAT NO: 5,811,766 [IMAGE AVAILABLE] L7: 6 of 18  
TITLE: PCMCIA card providing base unit for one-way RF signal  
reception and acoustic acknowledgment signal generation  
US-CL-CURRENT: 235/472.01, 462.01

US PAT NO: 5,808,285 [IMAGE AVAILABLE] L7: 7 of 18  
TITLE: Portable code symbol reading device with one-way  
wireless data packet transmission link to base unit  
employing condition-dependent acoustical signalling for  
data packet reception acknowledgement  
US-CL-CURRENT: 235/472.02, 462.01; 400/103

US PAT NO: 5,799,068 [IMAGE AVAILABLE] L7: 8 of 18  
TITLE: Smart phone integration with computer systems  
US-CL-CURRENT: 379/93.06; 345/331; 379/357; 710/13, 102

US PAT NO: 5,799,067 [IMAGE AVAILABLE] L7: 9 of 18  
TITLE: Smart phone integration with computer systems  
US-CL-CURRENT: 379/93.06, 357; 455/422; 710/102

US PAT NO: 5,797,089 [IMAGE AVAILABLE] L7: 10 of 18  
TITLE: Personal communications terminal having switches which  
independently energize a mobile telephone and a  
personal digital assistant  
US-CL-CURRENT: 455/403, 553, 556, 557

US PAT NO: 5,708,840 [IMAGE AVAILABLE] L7: 11 of 18  
TITLE: Micro personal digital assistant  
US-CL-CURRENT: 708/105; 341/137; 345/169; 710/101

US PAT NO: 5,689,654 [IMAGE AVAILABLE] L7: 12 of 18  
TITLE: Digital assistant system including a host computer with a  
docking bay for the digital assistant wherein a heat  
sink is moved into contact with a docked digital  
assistant for cooling the digital assistant  
US-CL-CURRENT: 710/101; 345/173; 361/686; 364/708.1; 455/575; 710/73, 128

US PAT NO: 5,668,570 [IMAGE AVAILABLE] L7: 13 of 18  
TITLE: Desktop computer with adjustable flat panel screen  
US-CL-CURRENT: 345/173; 248/923; 345/179, 905; 361/681; 364/708.1

US PAT NO: 5,634,080 [IMAGE AVAILABLE] L7: 14 of 18  
TITLE: Hand-held portable computer having an  
electroluminescent flat-panel display with pixel  
elements at right angles to the plane of the display and  
an excitation direction parallel to the plane of the  
display  
US-CL-CURRENT: 710/73; 345/45, 156; 361/686; 455/575; 709/253; 710/101

US PAT NO: 5,600,800 [IMAGE AVAILABLE] L7: 15 of 18  
TITLE: Personal computer system having a docking bay and a  
hand-held portable computer adapted to dock in the  
docking bay by a full-service parallel bus  
US-CL-CURRENT: 710/101

US PAT NO: 5,590,382 [IMAGE AVAILABLE] L7: 16 of 18  
TITLE: Personal digital assistant module having a  
multi-portion keyboard with inductive coupling  
US-CL-CURRENT: 710/73; 341/32; 710/67

US PAT NO: 5,555,157 [IMAGE AVAILABLE] L7: 17 of 18  
TITLE: Enclosure for electronic apparatus having a cover catch  
member engageable with two different housing catch  
members

US-CL-CURRENT: 361/687, 312/223.2; 361/679; D14/100

US PAT NO: 5,537,343 [IMAGE AVAILABLE]

L7: 18 of 18

TITLE: Digital assistant system having a host computer with a  
dock bay and a moveable heat sink for cooling a  
docked module

US-CL-CURRENT: 361/687, 686, 709

US PAT NO: 5,367,113 [IMAGE AVAILABLE] L1: 13 of 25  
TITLE: Keypad including membrane with replaceable key elements  
US-CL-CURRENT: 200/5A, 302.1, 309, 314, 345

US PAT NO: 5,347,117 [IMAGE AVAILABLE] L1: 14 of 25  
TITLE: Operator interface for a photoelectric control unit  
US-CL-CURRENT: 250/221, 222.1

US PAT NO: 5,336,882 [IMAGE AVAILABLE] L1: 15 of 25  
TITLE: System for determining operational stability of a photoelectric control unit having a margin variable gain module  
US-CL-CURRENT: 250/221, 214B, 222.1; 327/514

US PAT NO: 5,324,931 [IMAGE AVAILABLE] L1: 16 of 25  
TITLE: Process for reliably detecting the passage of a target object using a photoelectric control unit employing pseudo-random jitter factor pulses  
US-CL-CURRENT: 250/222.1, 221

US PAT NO: 5,303,163 [IMAGE AVAILABLE] L1: 17 of 25  
TITLE: Configurable vehicle monitoring system  
US-CL-CURRENT: 364/528.09; 340/439, 441; 701/29, 32, 35

US PAT NO: 5,281,810 [IMAGE AVAILABLE] L1: 18 of 25  
TITLE: Photoelectric control unit adapted for determining its own operating margin having dual variable-gain amplifier  
US-CL-CURRENT: 250/222.1, 214A; 340/556

US PAT NO: 5,226,105 [IMAGE AVAILABLE] L1: 19 of 25  
TITLE: Fiber optic backlighting panel and dot process for making same  
US-CL-CURRENT: 385/147; 358/901.1; 362/26, 31, 330; 385/120, 901

US PAT NO: 5,175,759 [IMAGE AVAILABLE] L1: 20 of 25  
TITLE: Communications device with movable element control interface  
US-CL-CURRENT: 455/569, 566, 574, 575; 704/270

US PAT NO: 5,153,590 [IMAGE AVAILABLE] L1: 21 of 25  
TITLE: Keypad apparatus  
US-CL-CURRENT: 341/31; 200/317; 341/22; 362/31

US PAT NO: 5,148,471 [IMAGE AVAILABLE] L1: 22 of 25  
TITLE: Communications device with voice recognition and movable element control interface  
US-CL-CURRENT: 455/563; 379/88.02

US PAT NO: 5,077,832 [IMAGE AVAILABLE] L1: 23 of 25  
TITLE: Radio transceiver with optional display  
US-CL-CURRENT: 455/566, 90, 154.1, 186.1, 349

US PAT NO: 4,916,262 [IMAGE AVAILABLE] L1: 24 of 25  
TITLE: Low-profile, rubber keypad  
US-CL-CURRENT: 200/5A, 306, 514, 515, 517

US PAT NO: 4,642,627 [IMAGE AVAILABLE] L1: 25 of 25  
TITLE: Illuminated compact control surface  
US-CL-CURRENT: 345/50; 341/13, 31; 455/90

SEARCH pct/us9824156

US PAT NO: 5,929,419 [IMAGE AVAILABLE] L13: 1 of 18  
TITLE: System and method for preventing authorized movement of  
cordless bar code symbol readers from designated  
scanning environments  
US-CL-CURRENT: 235/462.27

US PAT NO: 5,867,140 [IMAGE AVAILABLE] L13: 2 of 18  
TITLE: Display system and circuit therefor  
US-CL-CURRENT: 345/98, 1, 90, 100, 211, 214

US PAT NO: 5,867,131 [IMAGE AVAILABLE] L13: 3 of 18  
TITLE: Antenna for a mobile computer  
US-CL-CURRENT: 343/797, 702, 729, 795

US PAT NO: 5,844,229 [IMAGE AVAILABLE] L13: 4 of 18  
TITLE: Cordless desktop bar code symbol reader having integrated  
viewing aperture for sighting of bar code symbols to be  
scanned  
US-CL-CURRENT: 235/472.01, 462.01

US PAT NO: 5,827,082 [IMAGE AVAILABLE] L13: 5 of 18  
TITLE: Hinged device  
US-CL-CURRENT: 439/165

US PAT NO: 5,811,786 [IMAGE AVAILABLE] L13: 6 of 18  
TITLE: PCMCIA card providing base unit for one-way RF signal  
reception and acoustic acknowledgment signal generation  
US-CL-CURRENT: 235/472.01, 462.01

US PAT NO: 5,808,285 [IMAGE AVAILABLE] L13: 7 of 18  
TITLE: Portable code symbol reading device with one-way wireless  
data packet transmission link to base unit employing  
condition-dependent acoustical signalling for data  
packet reception acknowledgement  
US-CL-CURRENT: 235/472.02, 462.01; 400/103

US PAT NO: 5,799,068 [IMAGE AVAILABLE] L13: 8 of 18  
TITLE: Smart phone integration with computer systems  
US-CL-CURRENT: 379/93.06; 345/331; 379/357; 710/13, 102

US PAT NO: 5,799,067 [IMAGE AVAILABLE] L13: 9 of 18  
TITLE: Smart phone integration with computer systems  
US-CL-CURRENT: 379/93.06, 357; 455/422; 710/102

US PAT NO: 5,797,089 [IMAGE AVAILABLE] L13: 10 of 18  
TITLE: Personal communications terminal having switches which  
independently energize a mobile telephone and a  
personal digital assistant  
US-CL-CURRENT: 455/403, 553, 556, 557

US PAT NO: 5,708,840 [IMAGE AVAILABLE] L13: 11 of 18  
TITLE: Micro personal digital assistant  
US-CL-CURRENT: 708/105; 341/137; 345/169; 710/101

US PAT NO: 5,689,654 [IMAGE AVAILABLE] L13: 12 of 18

TITLE: Digital assistant system including a host computer with a docking bay for the digital assistant wherein a heat sink is moved into contact with a docked digital assistant for cooling the digital assistant  
US-CL-CURRENT: 710/101; 345/173; 361/686; 364/708.1; 455/575; 710/73, 128

US PAT NO: 5,668,570 [IMAGE AVAILABLE] L13: 13 of 18  
TITLE: Desktop computer with adjustable flat panel screen  
US-CL-CURRENT: 345/173; 248/923; 345/179, 905; 361/681; 364/708.1

US PAT NO: 5,634,080 [IMAGE AVAILABLE] L13: 14 of 18  
TITLE: Hand-held portable computer having an electroluminescent flat-panel display with pixel elements at right angles to the plane of the display and an excitation direction parallel to the plane of the display  
US-CL-CURRENT: 710/73; 345/45, 156; 361/686; 455/575; 709/253; 710/101

US PAT NO: 5,600,800 [IMAGE AVAILABLE] L13: 15 of 18  
TITLE: Personal computer system having a docking bay and a hand-held portable computer adapted to dock in the docking bay by a full-service parallel bus  
US-CL-CURRENT: 710/101

US PAT NO: 5,590,382 [IMAGE AVAILABLE] L13: 16 of 18  
TITLE: Personal digital assistant module having a multi-portion keyboard with inductive coupling  
US-CL-CURRENT: 710/73; 341/32; 710/67

US PAT NO: 5,555,157 [IMAGE AVAILABLE] L13: 17 of 18  
TITLE: Enclosure for electronic apparatus having a cover catch member engageable with two different housing catch members  
US-CL-CURRENT: 361/683; 312/223.2; 361/679; D14/100

US PAT NO: 5,537,343 [IMAGE AVAILABLE] L13: 18 of 18  
TITLE: Digital assistant system having a host computer with a docking bay and a moveable heat sink for cooling a docked module  
US-CL-CURRENT: 361/687, 686, 709

SEARCH pct/us9824156

(FILE 'USPAT' ENTERED AT 14:37:12 ON 30 JUL 1999)  
L1 2319 S PERSONAL DIGITAL ASSISTANT OR PDA  
L2 4848 S CELLULAR PHONE OR CELLULAR TELEPHONE  
L3 170 S L1 AND L2  
L4 0 S BACKLIT? AND L3  
L5 1 S BACKLIGHT? AND L3  
L6 1 S L5  
L7 131 S KEYPAD AND CONTROLLER AND BACKLIGHT?  
L8 2319 S PDA OR PERSONAL DIGITAL ASSISTANT  
L9 4848 S CELLULAR PHONE OR CELLULAR TELEPHONE  
L10 170 S L8 AND L9  
L11 0 S FLIP CIRCUIT AND KEYPAD  
L12 164 S KEYPAD AND L8  
L13 18 S HINGE AND L12

SEARCH pct/us9824156

US PAT NO: 5,910,799 [IMAGE AVAILABLE] L14: 1 of 15  
TITLE: Location motion sensitive user interface  
US-CL-CURRENT: 345/333, 329

US PAT NO: 5,859,628 [IMAGE AVAILABLE] L14: 2 of 15  
TITLE: Apparatus and method for a personal onboard information system  
US-CL-CURRENT: 345/173; 340/990; 345/130; 361/686; 364/708.1

US PAT NO: 5,841,431 [IMAGE AVAILABLE] L14: 3 of 15  
TITLE: Application of split- and dual-screen LCD panel design in cellular phones  
US-CL-CURRENT: 345/211, 103; 364/708.1; 708/109; 713/321

US PAT NO: 5,835,732 [IMAGE AVAILABLE] L14: 4 of 15  
TITLE: Miniature digital assistant having enhanced host communication  
US-CL-CURRENT: 710/101; 345/173; 361/686; 364/708.1; 455/556; 709/253; 710/73, 128

US PAT NO: 5,825,353 [IMAGE AVAILABLE] L14: 5 of 15  
TITLE: Control of miniature personal digital assistant using menu and thumbwheel  
US-CL-CURRENT: 345/184, 125, 352; 368/10

US PAT NO: 5,799,068 [IMAGE AVAILABLE] L14: 6 of 15  
TITLE: Smart phone integration with computer systems  
US-CL-CURRENT: 379/93.06; 345/331; 379/357; 710/13, 102

US PAT NO: 5,796,394 [IMAGE AVAILABLE] L14: 7 of 15  
TITLE: User interface and rule processing for a personal communications routing system  
US-CL-CURRENT: 345/329, 340; 709/206

US PAT NO: 5,708,840 [IMAGE AVAILABLE] L14: 8 of 15  
TITLE: Micro personal digital assistant  
US-CL-CURRENT: 708/105; 341/137; 345/169; 710/101

US PAT NO: 5,689,654 [IMAGE AVAILABLE] L14: 9 of 15  
TITLE: Digital assistant system including a host computer with a docking bay for the digital assistant wherein a heat sink is moved into contact with a docked digital assistant for cooling the digital assistant  
US-CL-CURRENT: 710/101; 345/173; 361/686; 364/708.1; 455/575; 710/73, 128

US PAT NO: 5,657,258 [IMAGE AVAILABLE] L14: 10 of 15  
TITLE: Mobile pen computer having an integrated palm rest  
US-CL-CURRENT: 361/681; 345/173; D10/65

US PAT NO: 5,634,080 [IMAGE AVAILABLE] L14: 11 of 15  
TITLE: Hand-held portable computer having an electroluminescent flat-panel display with pixel elements at right angles to the plane of the display and an excitation direction parallel to the plane of the display  
US-CL-CURRENT: 710/73; 345/45, 156; 361/686; 455/575; 709/253;

L14: 12 of 15

US PAT NO: 5,628,031 [IMAGE AVAILABLE] L14: 12 of 15  
TITLE: **Personal digital assistant module implemented**  
as a low-profile printed circuit assembly having a rigid  
substrate wherein IC devices are mounted within openings  
wholly between opposite plane surfaces of the rigid  
substrate

US-CL-CURRENT: 710/73; 345/173; 361/749; 455/556

US PAT NO: 5,579,489 [IMAGE AVAILABLE] L14: 13 of 15  
TITLE: **Hand-held portable computer having capability for external**  
expansion of an internal bus  
US-CL-CURRENT: 710/101; 345/173; 361/686; 364/708.1; 455/575; 710/73,  
128

US PAT NO: 5,572,573 [IMAGE AVAILABLE] L14: 14 of 15  
TITLE: **Removable user interface for use with interactive**  
electronic devices  
US-CL-CURRENT: 455/556; 341/23; 345/173; 455/558; 708/140

US PAT NO: 5,522,089 [IMAGE AVAILABLE] L14: 15 of 15  
TITLE: **Personal digital assistant module adapted for**  
initiating telephone communications through DTMF dialing  
US-CL-CURRENT: 710/73; 345/173, 352; 364/222.3, 231.2, 237.2,  
237.5, 286, 286.2, DIG.1; 379/93.13, 93.19, 93.23, 357